

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



| 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807 | 1807

(43) International Publication Date 2 August 2001 (02.08.2001)

PCT

(10) International Publication Number WO 01/54477 A2

(51) International Patent Classification:	Not classified	Sunnyvale, CA 94°85 (US). CHEN, Rui-Hong [US/US]; 1031 Flying Fish Street, Foster City, CA 94404 (US). ASUNDI, Vinod [US/US]; 709 Foster City Boulevard, Foster City, CA 94404 (US). CAO, Yicheng [CN/US]; 260 North Mathilda Avenue, Sunnyvale, CA 95086 (US). DRMANAC, Radoje, A. [YU/US]; 850 East Greenwich
(21) International Application Number:	PCT/US01/02687	
(22) International Filing Date: 25 January	2001 (25.01.2001)	
(25) Filing Language:	English	Place, Palo Alto, CA 94303 (US). ZHANG, Jie [CN/US]; 20800 Homestead Road #38B, Cupertino, CA 95014 (US). WERHMAN, Tom [US/US]; 300 Pasteur Drive, Edwards,
(26) Publication Language:	English	R314, Stanford University Medical Center, Stanford, CA 94035 (US).
(30) Priority Data:	(25.01.2000) 115	DA DATE Anna D. Mintz Levin Cohn Ferris

US

09/617,746 17 July 2000 (17.07.2000) US 09/631,451 3 August 2000 (03.08.2000) US 09/663,870 15 September 2000 (15.09.2000) US

25 January 2000 (25.01.2000)

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:

\	09/491,404 (CIP)
US	
Filed on	25 January 2000 (25.01.2000)
US	09/617,746 (CIP)
Filed on	17 July 2000 (17.07.2000)
US	09/631,451 (CIP)
-	3 August 2000 (03.08.2000)
Filed on	9/663,870 (CIP)
US	
Filed on	15 September 2000 (15.09.2000)

(71) Applicant (for all designated States except US): HYSEQ, INC. [US/US]; 670 Almanor Avenue, Sunnyvale, CA 94086 (US).

(72) Inventors; and

09/491,404

(75) Inventors/Applicants (for US only): TANG, Y., Tom [US/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). LIU, Chenghua [CN/US]; 1125 Ranchero Way #14, San Jose, CA 95117 (US). ZHOU, Ping [CN/US]; 1461 Japaur Lane, San Jose, CA 95132 (US). QIAN, Xiaohong, B. [CN/US]; 3662 Tumble Way, San Jose, CA 95132 (US). WANG, Zhiwei [CN/US]; 836 Alturas Avenue #B36,

(74) Agent: ELRIFI, Ivor, R.; Mintz, Levin, Cohn, Ferris, Glovsky and Popco, P.C., One Financial Center, Boston, MA 02111 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, I.T, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

 with declaration under Article 17(2)(a); without classification and without abstract; title not checked by the International Searching Authority

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

01/54477 A2

(54) Title: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

(57) Abstract: